

National 5 Applications of Mathematics (formerly Lifeskills Mathematics)

Applications of Mathematics is the study of Mathematics in real-life contexts. It focuses on the areas of finance, statistics, data management, measurement and geometry and aims to equip learners with the mathematical skills and knowledge they will need in their everyday lives – both personally and in the workplace.

The course aims to enable learners to:-

- assess risk and make informed decisions about managing personal finances
- use measurements, diagrams and time management skills to plan practical projects
- interpret and analyse statistical information to draw conclusions

The National 5 Mathematics course consists of 3 units:- Managing Finance and Statistics
 Geometry and Measure
 Numeracy

To achieve National 5 Mathematics students must pass an external exam set by SQA.

Assessments will take place throughout the year as indicated on the calendar overleaf. We will inform students of any tests well in advance of the test date.

Students will be issued with a formal homework exercise approximately once every 2 weeks. They will be expected to regularly look over classwork and study throughout the year, using resources issued or recommended by the department. They should ask for help with anything causing difficulty.

The department hopes to continue to offer Supported Study classes on Monday and Wednesday lunchtimes. We keep a register of attendance at Supported Study.

It is essential that pupils have their own scientific calculator for this course. Using a mobile phone calculator is not permitted by the SQA.

National 5 Applications of Mathematics		
Week	Topic	
-5	Percentages and fractions of amounts	Number work
-4	Perimeter/area of composite shapes	- Fractions, decimals and percentages
-3	Perimeter/area of composite shapes	
-2	Volume of composite shapes	
-1	Volume of composite shapes	
	SUMMER HOLIDAY	
1	Revision of June work	Perimeter/area/volume
2	Pythagoras problems	Gradient
3	Distance, speed and time	Tolerance
4	Scale drawing and plotting a navigation route	Ratio
5	Scale drawing and plotting a navigation route	Direct proportion
6	Using precedence tables to plan tasks	Indirect proportion
7	Time management	Express quantity as a % of another
8	Testing	
	OCTOBER HOLIDAY	
9	Efficient packing	Reading scales
10	Efficient packing	Interpret graphs
11	Compound percentage increase/decrease	Make and justify decisions from interpretation/based on risk
12	Appreciation/Depreciation	
13	Personal budgeting –income and outcome	
14	Event budgeting	
15	Wages and deductions	
16	Currency conversion	
17	Revision	
	CHRISTMAS HOLIDAY	
18	Saving and Borrowing	
19	Prelim	
20	Prelim	
21	Best deal	
22	Investigate risk and its impact	
23	Use statistics presented in different diagrams	
24	Scattergraph and best fitting line	
25	Compare data sets - boxplots, pie charts	
26	Mean, median, range	
27	Interquartile range and standard deviation	
28	Second prelim	
29	Revision	
	EASTER HOLIDAY	
30	Revision	
31	Revision	
32	Study leave begins provisional	